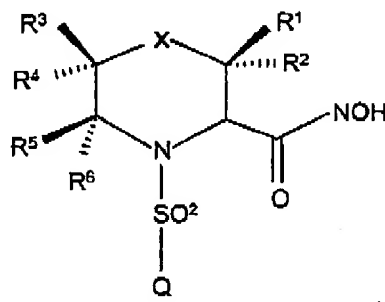


IN THE CLAIMS:

Claims 1 - 60 (Cancelled)

Claim 61 (Currently Amended) A method of inhibiting the cleavage of TNF- $\alpha$  from cell membranes in a human comprising administering to such human an effective amount of a hydroxamic acid compound comprising ~~a suitable substituted~~ the formula:



or the pharmaceutically acceptable salt thereof, wherein

X is oxygen, sulfur, SO, SO<sub>2</sub> or NR<sup>7</sup>;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are selected from the group consisting of

hydrogen, hydroxy, NH<sub>2</sub>, -CN, (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>amino, (C<sub>1</sub>-C<sub>6</sub>)alkylthio, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkyl, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>6</sub>-C<sub>10</sub>)arylamino, (C<sub>6</sub>-C<sub>10</sub>)arylthio, (C<sub>6</sub>-C<sub>10</sub>)aryloxy, (C<sub>2</sub>-C<sub>9</sub>)heteroarylamino, (C<sub>2</sub>-C<sub>9</sub>)heteroarylthio, (C<sub>2</sub>-C<sub>9</sub>)heteroaryloxy, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl(hydroxymethylene), piperidyl, (C<sub>1</sub>-C<sub>6</sub>)alkylpiperidyl, (C<sub>1</sub>-C<sub>6</sub>)acyl, (C<sub>1</sub>-C<sub>6</sub>)acylamino, (C<sub>1</sub>-C<sub>6</sub>)acylthio, (C<sub>1</sub>-C<sub>6</sub>)acyloxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxy-(C=O)-, -CO<sub>2</sub>H, H<sub>2</sub>N-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-, and [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-;

wherein said (C<sub>1</sub>-C<sub>6</sub>)alkyl is optionally substituted by one or two groups selected from (C<sub>1</sub>-C<sub>6</sub>)alkylthio, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, trifluoromethyl, halo, -CN, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>6</sub>-C<sub>10</sub>)arylamino, (C<sub>6</sub>-C<sub>10</sub>)arylthio, (C<sub>6</sub>-C<sub>10</sub>)aryloxy, (C<sub>2</sub>-C<sub>9</sub>)heteroarylamino, (C<sub>2</sub>-C<sub>9</sub>)heteroarylthio, (C<sub>2</sub>-C<sub>9</sub>)heteroaryloxy, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, hydroxy, piperazinyl, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>1</sub>-C<sub>6</sub>)acylamino, (C<sub>1</sub>-C<sub>6</sub>)acylthio, (C<sub>1</sub>-C<sub>6</sub>)acyloxy, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfinyl, (C<sub>6</sub>-C<sub>10</sub>)arylsulfinyl, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl, (C<sub>6</sub>-C<sub>10</sub>)arylsulfonyl, amino, (C<sub>1</sub>-C<sub>6</sub>)alkylamino or ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>amino;

R<sup>7</sup> is hydrogen; (C<sub>1</sub>-C<sub>6</sub>)alkyl optionally substituted by one or more of hydroxy, -CN, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, (C<sub>1</sub>-C<sub>6</sub>)alkylthio, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>6</sub>-C<sub>10</sub>)arylthio, (C<sub>6</sub>-C<sub>10</sub>)aryloxy, (C<sub>2</sub>-C<sub>9</sub>)heteroarylamino, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl(hydroxymethylene), piperidyl, (C<sub>1</sub>-C<sub>6</sub>)alkylpiperidyl, (C<sub>1</sub>-C<sub>6</sub>)acyl, (C<sub>1</sub>-C<sub>6</sub>)acylamino, (C<sub>1</sub>-C<sub>6</sub>)acyloxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxy-(C=O)-, -CO<sub>2</sub>H, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-, and [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-; (C<sub>6</sub>-C<sub>10</sub>)arylsulfonyl; (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl; (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-; (C<sub>1</sub>-C<sub>6</sub>)alkoxy-(C=O)-; (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-; [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-; or (R<sup>8</sup>R<sup>9</sup>N)-(C=O) where R<sup>8</sup> and R<sup>9</sup> are taken together with the nitrogen that they are attached to form a ring selected from azetidiny, pyrrolidinyl, piperidinyl, morpholinyl and thiomorphonyl; where Q is (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>10</sub>)heteroaryl, (C<sub>1</sub>-C<sub>10</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>6</sub>-C<sub>10</sub>)aryl, or (C<sub>1</sub>-C<sub>10</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>10</sub>)heteroaryl;

with the proviso that when X is SO or SO<sub>2</sub> and R<sub>3</sub> and R<sub>4</sub> are a substituent comprising a heteroatom, the heteroatom cannot be bonded to the ring;

and with the proviso that at least one of R<sup>1</sup>-R<sup>6</sup> must be (C<sub>1</sub>-C<sub>6</sub>)alkyl;

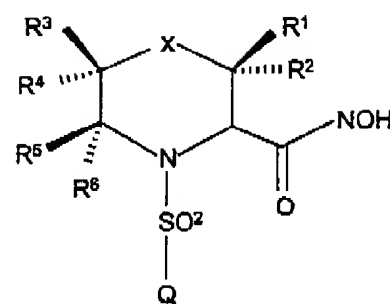
and with the proviso that when X is oxygen or sulfur and R<sup>3</sup>-R<sup>6</sup> are each hydrogen then R<sup>1</sup> and R<sup>2</sup> cannot both be methyl;

that possesses an in vitro IC<sub>50</sub> selectivity for TACE over MMP-1 of at least 100 fold; wherein MMP-1 activity is determined by an MMP-1 in vitro assay and wherein TACE activity is determined by a human monocyte assay.

Claims 62 - 80 (Cancelled)

Claim 81 (Currently Amended) ~~A method of inhibiting the cleavage of TNF- $\alpha$  from cell membranes in a human comprising administering to such human an effective amount of a disubstituted hydroxamic acid compound comprising a suitably substituted (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>10</sub>)heteroaryl, (C<sub>1</sub>-C<sub>10</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>6</sub>-C<sub>10</sub>)aryl, or (C<sub>1</sub>-C<sub>10</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>10</sub>)heteroaryl;~~ that The method of claim 61 wherein said hydroxamic acid compound possesses an in vitro IC<sub>50</sub> selectivity for TACE over MMP-1 of at least 500 fold; wherein MMP-1 activity is determined by an MMP-1 in vitro assay and wherein TACE activity is determined by a human monocyte assay.

Claim 82 (Currently Amended) A method of inhibiting the cleavage of TNF- $\alpha$  from cell membranes without inhibiting MMP-1 in a mammal comprising: administering to said mammal an effective amount of a hydroxamic acid compound that possesses at least 100 fold IC<sub>50</sub> selectivity for TACE over MMP-1, said hydroxamic acid compound comprising a the formula:



or the pharmaceutically acceptable salt thereof, wherein

X is oxygen, sulfur, SO, SO<sub>2</sub> or NR<sup>7</sup>;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are selected from the group consisting of

hydrogen, hydroxy, NH<sub>2</sub>, -CN, (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>amino, (C<sub>1</sub>-C<sub>6</sub>)alkylthio, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkyl, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>6</sub>-C<sub>10</sub>)arylamino, (C<sub>6</sub>-C<sub>10</sub>)arylthio, (C<sub>6</sub>-C<sub>10</sub>)aryloxy, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>2</sub>-C<sub>9</sub>)heteroarylthio, (C<sub>2</sub>-C<sub>9</sub>)heteroaryloxy, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl(hydroxymethylene), piperidyl, (C<sub>1</sub>-C<sub>6</sub>)alkylpiperidyl, (C<sub>1</sub>-C<sub>6</sub>)acyl, (C<sub>1</sub>-C<sub>6</sub>)acylamino, (C<sub>1</sub>-C<sub>6</sub>)acylthio, (C<sub>1</sub>-C<sub>6</sub>)acyloxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxy-(C=O)-, -CO<sub>2</sub>H, H<sub>2</sub>N-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-, and [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-;

wherein said (C<sub>1</sub>-C<sub>6</sub>)alkyl is optionally substituted by one or two groups selected from (C<sub>1</sub>-C<sub>6</sub>)alkylthio, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, trifluoromethyl, halo, -CN, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>6</sub>-C<sub>10</sub>)arylamino, (C<sub>6</sub>-C<sub>10</sub>)arylthio, (C<sub>6</sub>-C<sub>10</sub>)aryloxy, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>2</sub>-C<sub>9</sub>)heteroarylthio, (C<sub>2</sub>-C<sub>9</sub>)heteroaryloxy, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>3</sub>-C<sub>6</sub>)cycloalkyl, hydroxy, piperazinyl, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, (C<sub>1</sub>-C<sub>6</sub>)acylamino, (C<sub>1</sub>-C<sub>6</sub>)acylthio, (C<sub>1</sub>-C<sub>6</sub>)acyloxy, (C<sub>1</sub>-

(C<sub>6</sub>)alkylsulfinyl, (C<sub>6</sub>-C<sub>10</sub>)arylsulfinyl, (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl, (C<sub>6</sub>-C<sub>10</sub>)arylsulfonyl, amino, (C<sub>1</sub>-C<sub>6</sub>)alkylamino or ((C<sub>1</sub>-C<sub>6</sub>)alkyl)<sub>2</sub>amino;

R<sup>7</sup> is hydrogen; (C<sub>1</sub>-C<sub>6</sub>)alkyl optionally substituted by one or more of hydroxy, -CN, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, (C<sub>1</sub>-C<sub>6</sub>)alkylthio, (C<sub>1</sub>-C<sub>6</sub>)alkoxy, perfluoro(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>6</sub>-C<sub>10</sub>)aryltio, (C<sub>6</sub>-C<sub>10</sub>)aryloxy, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>2</sub>-C<sub>9</sub>)heteroarylamino, (C<sub>2</sub>-C<sub>9</sub>)heteroarylcycloalkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl(hydroxymethylene), piperidyl, (C<sub>1</sub>-C<sub>6</sub>)alkylpiperidyl, (C<sub>1</sub>-C<sub>6</sub>)acyl, (C<sub>1</sub>-C<sub>6</sub>)acylamino, (C<sub>1</sub>-C<sub>6</sub>)acyloxy, (C<sub>1</sub>-C<sub>6</sub>)alkoxy-(C=O)-, -CO<sub>2</sub>H, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-, and [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-; (C<sub>6</sub>-C<sub>10</sub>)arylsulfonyl; (C<sub>1</sub>-C<sub>6</sub>)alkylsulfonyl; (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-; (C<sub>1</sub>-C<sub>6</sub>)alkoxy-(C=O)-; (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-; [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>-N-(C=O)-; or (R<sup>8</sup>R<sup>9</sup>N)-(C=O) where R<sup>8</sup> and R<sup>9</sup> are taken together with the nitrogen that they are attached to form a ring selected from azetidyl, pyrrolidinyl, piperidinyl, morpholinyl and thiomorphonyl; where Q is (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>6</sub>-C<sub>10</sub>)aryl, (C<sub>6</sub>-C<sub>10</sub>)aryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>2</sub>-C<sub>9</sub>)heteroaryl, (C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>6</sub>-C<sub>10</sub>)aryl, or (C<sub>2</sub>-C<sub>9</sub>)heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>2</sub>-C<sub>9</sub>)heteroaryl wherein each of said (C<sub>6</sub>-C<sub>10</sub>)aryl or (C<sub>2</sub>-C<sub>9</sub>)heteroaryl groups may optionally be substituted by one of more substituents independently selected from halo, -CN, (C<sub>1</sub>-C<sub>6</sub>)alkyl optionally substituted with one or more fluorine atoms, hydroxy, hydroxy-(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkoxy optionally substituted with one or more fluorine atoms, (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl, HO-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-O-(C=O)-, HO-(C=O)-(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl-O-(C=O)-(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(C=O)-O-, (C<sub>1</sub>-C<sub>6</sub>)alkyl(C=O)-O-(C<sub>1</sub>-C<sub>6</sub>)alkyl, H(O=C), H(O=C)-(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl(O=C)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl(O=C)-(C<sub>1</sub>-C<sub>6</sub>)alkyl, NO<sub>2</sub>, amino, (C<sub>1</sub>-C<sub>6</sub>)alkylamino, [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>amino, amino(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylamino(C<sub>1</sub>-C<sub>6</sub>)alkyl, [(C<sub>1</sub>-C<sub>6</sub>)alkyl]<sub>2</sub>amino(C<sub>1</sub>-C<sub>6</sub>)alkyl, H<sub>2</sub>N-(C=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-NH-(C=O)-, [(C<sub>1</sub>-

$C_6$ alkyl] $_2$ N-(C=O)-,  $H_2N$ (C=O)- (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl-HN(C=O)- (C<sub>1</sub>-C<sub>6</sub>)alkyl,  
 $[(C_1-C_6)alkyl]_2N$ -(C=O)-(C<sub>1</sub>-C<sub>6</sub>)alkyl, H(O=C)-NH-, (C<sub>1</sub>-C<sub>6</sub>)alkyl(C=O)-NH, (C<sub>1</sub>-  
 $C_6$ )alkyl(C=O)-[NH] (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkyl(C=O)-[N(C<sub>1</sub>-C<sub>6</sub>)alkyl] (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-  
 $C_6$ )alkyl-S-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-(S=O)-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>2</sub>-NH-, (C<sub>1</sub>-  
 $C_6$ )alkyl-SO<sub>2</sub>-[N-(C<sub>1</sub>-C<sub>6</sub>)alkyl]-,  $H_2N$ -SO<sub>2</sub>-,  $H_2N$ -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylHN-SO<sub>2</sub>-  
(C<sub>1</sub>-C<sub>6</sub>)alkyl,  $[(C_1-C_6)alkyl]_2N$ -SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)alkyl, CF<sub>3</sub>SO<sub>3</sub>-, (C<sub>1</sub>-C<sub>6</sub>)alkyl-SO<sub>3</sub>-, phenyl,  
phenyl(C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, (C<sub>2</sub>-C<sub>9</sub>)heterocycloalkyl, and (C<sub>2</sub>-C<sub>9</sub>)heteroaryl;

with the proviso that when X is SO or SO<sub>2</sub> and R<sub>3</sub> and R<sub>4</sub> are a substituent comprising a heteroatom, the heteroatom cannot be bonded to the ring;

and with the proviso that at least one of R<sup>1</sup>-R<sup>6</sup> must be (C<sub>1</sub>-C<sub>6</sub>)alkyl;

and with the proviso that when X is oxygen or sulfur and R<sup>3</sup>-R<sup>6</sup> are each hydrogen then R<sup>1</sup> and R<sup>2</sup> cannot both be methyl; wherein MMP-1 activity is determined by an MMP-1 in vitro assay and wherein TACE activity is determined by a human monocyte assay.

Claim 83 (Original) The method of Claim 82 wherein said hydroxamic acid compound possesses at least 500 fold IC<sub>50</sub> selectivity for TACE over MMP-1.